

## CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application. Claims 1-44 were previously cancelled. Claims 45-66 remain active.

Claims listed as “currently amended” were amended in the 4/13/2007 amendment.

1. (Previously Canceled) A method for using a computer system to provide a user interface to a text, comprising the steps of:

- a. presenting, on a display controlled by the computer system, an outline of the text, wherein
  - i. a word of phrase appearing in the text is an element of the text;
  - ii. a plurality of said elements of the text are included as elements of the outline;
  - iii. each element of the outline represents a portion of the text;
  - iv. elements of the outline comprise substantially less text than the entire text;
  - v. substantially all portions of the text are represented by at least one element of the outline;
  - vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and
- b. performing, in response to a signal from a user of the computer system, an operation on an entire portion of the text represented by at least one element of the outline.

2. (Previously Canceled) The method of claim 1, further comprising the step of providing a user the ability to select an element in the outline, such that the operation is performed on the entire portion of text referred to by the element.

3. (Previously Canceled) The method of claim 1, further comprising the step of displaying a result of the operation on the text represented by an element of the outline in a location on the outline corresponding to the element.

4. (Previously Canceled) The method of claim 1, wherein the elements of text presented on the outline relate to the structure of the text.
5. (Previously Canceled) The method of claim 1, wherein the outline is computer generated.
6. (Previously Canceled) The method of claim 1, further providing to the user the ability to expand and collapse items in the outline.
7. (Previously Canceled) The method of claim 1, wherein the portion of the outline shown at any given times corresponds to the cursor location in the original text.
8. (Previously Canceled) The method of claim 3, further providing a link to the original text from a result displayed on the outline.
9. (Previously Canceled) The method of claim 3, wherein the operation comprises reverse-indexing of the text referred to by the outline element.
10. (Previously Canceled) The method of claim 9 wherein the words in the reverse-index are provided in alphabetical order.
11. (Previously Canceled) The method of claim 1, wherein the operation comprises searching within the text referred to by the outline element.
12. (Previously Canceled) The method of claim 2, wherein the operation comprises printing the text referred to by the outline element.
13. (Previously Canceled) The method of claim 2, wherein the operation comprises copying the text referred to by the outline element.
14. (Previously Canceled) The method of claim 1, wherein the operation comprises calculating a parameter related to the length of the text referred to by the outline element.
15. (Previously Canceled) The method of claim 1, wherein the operation comprises identifying material related to that referred to by the outline element.
16. (Previously Canceled) The method of claim 15, wherein the operation comprises using a reference work to look up material contained in a portion of text referred to by the outline element.
17. (Previously Canceled) The method of claim 1, wherein the operation comprises identifying annotations to the portion of text referred to by the outline element.

18. (Previously Canceled) The method of claim 1, wherein the operation comprises calculating a parameter related to the time spent viewing text referred to by an outline element.

19. (Previously Canceled) The method of claim 1, wherein the operation comprises moving the text referred to by the outline element to a different location.

20. (Previously Canceled) The method of claim 1, wherein the operation comprises partially displaying text referred to by the outline element on the outline.

21. (Previously Canceled) A computer system for displaying text, comprising

- a. A display device controlled by the computer
- b. Said display device imaging a portion of text controlled by the computer system,
- c. an outline of the text, a portion of which is presented on the display device, such that:
  - i. a word or phrase appearing in the text is an element of the text;
  - ii. a plurality of elements of the text are included as elements of the outline;
  - iii. each element of the outline represents a portion of the text;
  - iv. elements of the outline comprise substantially less text than the entire text;
  - v. substantially all portions of the text are represented by at least one element of the outline;
  - vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and
- d. a mechanism to respond to a signal from a user of the computer system by performing an operation on an entire portion of the text represented by at least one element of the outline.

22. (Previously Canceled) A computer memory storage device encoded with a computer program for using a computer system to display electronic text comprising:

a. an outline of the text, such that:

- i. a word or phrase appearing in the text is an element of the text;
- ii. a plurality of elements of the text are included as elements of the outline;
- iii. each element of the outline represents a portion of the text;
- iv. elements of the outline comprise substantially less text than the entire text;
- v. substantially all portions of the text are represented by at least one element of the outline;
- vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and

b. a mechanism to respond to a signal from a user of the computer system by performing an operation on an entire portion of the text represented by at least one element of the outline.

23. (Previously Canceled) A method for using a computer system to provide a user interface to a text, comprising the steps of:

a. presenting, on a display controlled by the computer system, an outline of the text, wherein:

- i. a word or phrase appearing in the text is an element of the text;
- ii. a plurality of said elements of the text are included as elements of the outline;
- iii. each element of the outline represents a portion of the text;
- iv. elements of the outline comprise substantially less text than the entire text;
- v. substantially all portions of the text are represented by at least one element of the outline; and
- vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and

b. performing, in response to a signal from a user of the computer system, an operation on an entire portion of the text represented by at least one element of the outline,

wherein the operation comprises calculating a parameter related to the length of the text referred to by the outline element.

24. (Previously Canceled) The method of claim 23, wherein the operation of step b is performed on at least two different portions of the text represented by distinct outline elements.

25. (Previously Canceled) The method of claim 23, further comprising the step of displaying said parameter in a location on the outline corresponding to said outline element.

26. (Previously Canceled) The method of claim 23, further comprising the step of displaying said parameter on the same line as said outline element.

27. (Previously Canceled) The method of claim 23, wherein the elements of text presented on the outline relate to the structure of the text.

28. (Previously Canceled) The method of claim 23, wherein the outline is computer-generated.

29. (Previously Canceled) The method of claim 23, wherein the length of the text referred to by said outline element is denominated in words.

30. (Previously Canceled) The method of claim 23, wherein the length of the text referred to by said outline element is denominated in lines.

31. (Previously Canceled) The method of claim 23, wherein the length of the text referred to by said outline element is denominated in pages.

32. (Previously Canceled) The method of claim 23, wherein the parameter related to the length of the text referred to by the outline element is the speed at which said text was read.

33. (Previously Canceled) The method of claim 23, further comprising the step of calculating a parameter related to the time spent viewing text referred to by an outline element.

34. (Previously Canceled) The method of claim 23, wherein the signal comprises designating said outline element.

35. (Previously Canceled) The method of claim 23, wherein the signal comprises designating an outline element hierarchically superior to said outline element.

36. (Previously Canceled) The method of claim 23, wherein the signal comprises modifying the text referred to by said outline element.

37. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is a figure.

38. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is a table.

39. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is all text appearing under a heading.

40. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is a heading and all text appearing under said heading.

41. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is an index.

42. (Previously Canceled) The method of claim 23, wherein the text referred to by said at least one outline element of step (b) is an annotation.

43. (Previously Canceled) A computer system for displaying text, comprising:

- a. a display device controlled by the computer;

- b. said display device imaging a portion of text controlled by the computer system;

- c. an outline of the text, a portion of which is presented on the display device, such that:

- i. a word or phrase appearing in the text is an element of the text;

- ii. a plurality of said elements of the text are included as elements of the outline;

- iii. each element of the outline represents a portion of the text;

- iv. elements of the outline comprise substantially less text than the entire text;

- v. substantially all portions of the text are represented by at least one element of the outline; and

- vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and
  - d. a mechanism to respond to a signal from a user of the computer system by performing an operation on an entire portion of the text represented by at least one element of the outline, wherein the operation comprises calculating a parameter related to the length of the text referred to by the outline element.
44. (Previously Canceled) A computer memory storage device encoded with a computer program for using a computer system to display electronic text comprising:
- a. an outline of the text, a portion of which is presented on the display device, such that:
    - i. a word or phrase appearing in the text is an element of the text;
    - ii. a plurality of said elements of the text are included as elements of the outline;
    - iii. each element of the outline represents a portion of the text;
    - iv. elements of the outline comprise substantially less text than the entire text;
    - v. substantially all portions of the text are represented by at least one element of the outline; and
    - vi. the positional and hierarchical relationship between the elements of the text is maintained on the outline; and
  - b. a mechanism to respond to a signal from a user of the computer system by performing an operation on an entire portion of the text represented by at least one element of the outline, wherein the operation comprises calculating a parameter related to the length of the text referred to by the outline element.
45. (Currently amended) A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:
- a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting for the operation of step (c) the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and wherein said operation processes all components of said selected electronic text.

46. (Previously presented) The method of claim 45, wherein the user action of step (b) comprises a mouse click on said outline element.

47. (Currently amended) The method of claim 45, further comprising the step of A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;



ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element;

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text; and

d. displaying on the outline at least one result of said operation of step (c), such that the relative positional relationships between text corresponding to said at least one operation result and original text elements represented by outline elements are maintained on the outline.

48. (Previously presented) The method of claim 45, wherein the elements of text that comprise the outline correspond to the structure of the electronic text.

49. (Previously presented) The method of claim 45, wherein the outline is computer-generated using said electronic text as input.

50. (Previously presented) The method of claim 45, further comprising the step of modifying the appearance of said selected text to differ from the appearance of unselected text.

51. (Currently amended) The method of claim 45, A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text;

wherein a change in a cursor location within said electronic text, from a location corresponding to a first outline element displayed on the outline, to a location corresponding to a second outline element not displayed on the outline, causes said second outline element to be displayed on the outline.

52. (Previously presented) The method of claim 47, wherein at least one operation result displayed on said outline contains a hyperlink.

53. (Currently amended) ~~The method of claim 45, wherein the operation of step~~  
(e) A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and said operation comprises reverse-indexing of said selected text, wherein said reverse-indexing operation comprises:

a-i. identifying at least one index entry that refers to a first portion of said electronic text within said selected text referred to by said outline element;

b-ii. identifying at least one second portion of electronic text also referred to by said at least one index entry; and

e-iii. providing information about said second portion of said electronic text.

54. (Previously presented) The method of claim 45, wherein the operation of step (c) comprises storing a copy of said selected text in a computer memory buffer.

55. (Previously presented) The method of claim 45, wherein the operation of step (c) comprises searching within said selected text.

56. (Previously presented) The method of claim 45, wherein the operation of step (c) comprises printing of said selected text.

57. (Previously presented) The method of claim 45, wherein the operation of step (c) comprises copying of said selected text into an electronic clipboard.

58. (Currently amended) ~~The method of claim 45, wherein the operation of step (c) comprises copying of said selected text into an electronic clipboard.~~  
A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and said operation comprises calculating a parameter corresponding to the length of the text referred to by the outline element.

59. (Currently amended) ~~The method of claim 45, wherein the operation of step (e)~~ A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and said operation comprises identifying additional material related to said selected text.

60. (Previously presented) The method of claim 59, wherein said operation comprises using a reference work to look up additional material related to concepts referred to by a portion of said selected text.

61. (Currently amended) ~~The method of claim 45, wherein the operation of step (e)~~ A method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and said operation comprises identifying annotations to at least one portion of said selected text.

62. (Currently amended) The method of claim 45, wherein the operation of step (c) is a method for using a computer system to provide a user interface to an electronic text, comprising in sequence the steps of:

a. presenting, on a display controlled by the computer system, a portion of an outline of said electronic text, wherein:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

iii. each element of the outline represents a portion of said electronic text;

iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;

v. substantially all portions of said electronic text are represented by at least one element of the outline; and

vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;

b. in response to user action, said user action consisting only of indicating at least one element of said outline, selecting the entire portion of said electronic text represented by said at least one outline element; and

c. performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and said operation comprises calculating a parameter related to the time spent viewing text referred to by the outline element.

63. (Previously presented) The method of claim 50, wherein said appearance modification comprises highlighting of said selected text.

64. (Previously presented) The method of claim 47, further comprising the step of displaying a portion of said selected text on the outline.

65. (Currently amended) A computer system for displaying electronic text, comprising:

a. a display device controlled by the computer, said display device imaging a portion of electronic text controlled by the computer system;

b. an outline of said electronic text, a portion of said outline being presented on the display device, such that:

i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;

ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;

- iii. each element of the outline represents a portion of said electronic text;
  - iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;
  - v. substantially all portions of said electronic text are represented by at least one element of the outline; and
  - vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;
- c. a mechanism to respond to user action, said user action consisting only of indicating at least one element of said outline, by selecting for the operation of step (c) the entire portion of said electronic text represented by said at least one outline element, and
- d. a mechanism for performing an operation exclusively on the portion of electronic text selected in step (c), wherein said operation does not cause the display of said selected electronic text and wherein said operation processes all components of said selected electronic text.

66. (Currently amended) A computer memory storage device encoded with a computer program for using a computer system to display electronic text, comprising:

- a. an outline of said electronic text, at least some portion of said outline being presented on the display device, such that:
  - i. an element of the text comprises at least one phrase appearing in said electronic text, said at least one phrase comprising at least one word;
  - ii. said outline comprises a plurality of elements, wherein elements of the outline comprise copies of elements of said electronic text;
  - iii. each element of the outline represents a portion of said electronic text;
  - iv. the combined elements of the outline comprise substantially less text than the entire said electronic text;



- v. substantially all portions of said electronic text are represented by at least one element of the outline; and
  - vi. the relative positional and hierarchical relationships of elements of the outline correspond to the relative positional and hierarchical relationships of the portions of said electronic text represented by said elements of the outline;
- b. a mechanism to respond to user action, said user action consisting only of indicating at least one element of said outline, by selecting for the operation of step (c) the entire portion of said electronic text represented by said at least one outline element; and
- c. a mechanism for performing an operation exclusively on the portion of electronic text selected in step (b), wherein said operation does not cause the display of said selected electronic text and wherein said operation processes all components of said selected electronic text.